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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/792,272

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Young Kuk Kim

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EXAMINER

KHAN, ASHER R

ART UNIT

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/792,272	Applicant(s) KIM ET AL.	
	Examiner ASHER KHAN	Art Unit 4134	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 March 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 3/4/2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. The abstract of the disclosure is objected to because specification paragraph 57 contains "Fro" instead of the word "For". Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. **Claims 17-26 and 28-30** are rejected under 35 U.S.C. 102(b) as being unpatentable by U.S. Patent Pub. No. 2003/0026593 A1 to Ostrover.

As to **claim 17**, Ostrover discloses a recording medium comprising: a first memory area configured to store a video signal (0025); a second memory area configured to store a parental code (0005-0006) that controls viewing access to a video program in the video signal, wherein the parental code is configured to be renewed by a command (0014); and a third memory area configured to store status information indicating the renewal of the parental code (0019)(0026)(0031-0032).

As to **claim 18**, Ostrover discloses wherein the parental code is selectively each one of a first parental code received with a corresponding video program and a prescribed second parental code when the corresponding video program does not contain the first parental code (0014).

As to **claim 19**, Ostrover discloses wherein the second parental code is at least one of generated as a default value and generated as a value set by a user (0014)(0041).

As to **claim 20**, Ostrover discloses wherein the status information is time information, final change data or an alert when the parental code is generated (0019)(0026)(0031-0032).

As to **claim 21**, Ostrover discloses wherein the status information is time stamp information when the parental code is renewed (0031-0032).

As to **claim 22**, Ostrover discloses wherein the renewal of the parental code is at least one of reset by a user and accessed by the user (0010).

As to **claim 23**, Ostrover discloses wherein the status information is a history interval recording over a prescribed period of time (0019).

As to **claim 24**, Ostrover discloses wherein the memory areas are provided on at least one of a memory provided in a device (0025).

As to **claim 25**, Ostrover discloses an apparatus for managing a parental control code, comprising: a detector that detects a first parental grade code as a parental code corresponding to a video signal (0014); and a parental code generator that generates a second parental code as the parental code when the first parental code is not provided as the parental code with a video signal (0014).

As to **claim 26**, Ostrover discloses further discloses wherein the second parental code is one of generated as a default value and generated as value set

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by a user (0014)(0041).

As to **claim 28**, Ostrover discloses an optical disc player, comprising: a first memory area configured to store a video signal (0025); a second memory area configured to store a parental code that controls viewing access to a video program in the video signal, wherein the parental code is configured to be renewed by a command (0014); and a controller configured to detect a first parental grade code as a parental code corresponding to a video signal, wherein the controller is configured to generate a second parental code as the parental code when the first parental code is not detected (0014).

As to **claim 29**, Ostrover further discloses comprising a third memory area configured to store status information indicating the renewal of the parental code (0019).

As to **claim 30**, Ostrover further discloses wherein the first memory area is on a loaded recording medium (0025).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 1-16 and 27** are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Pub. No. 2003/0026593 A1 to Ostrover in view of U.S. Patent Pub. 6,519,412 B1 to Kim.

As to **claim 1**, Ostrover discloses a method, comprising: detecting a first parental grade code as a parental code corresponding to a video signal (0005-0006) (0010) (0014-0015); generating a second parental code as the parental code when the first parental code is not detected (0014).

Ostrover does not expressly disclose generating information that indicates the generation of the second parental code (Fig. 3A).

Kim discloses generating information that indicates the generation of the second parental code (Fig. 3A).

At the time of invention, it would have been obvious to a person of ordinary skill in the art to combine Ostrover and Kim. Motivation would have been to provide a password screen indicating password input requirement to allow only the allowed users to be able to change parental codes.

As to **claim 2**, Ostrover discloses wherein the first parental code is information received and associated with the video signal (0014), wherein the video signal is received from an external source (0025).

As to **claim 3**, Ostrover further discloses wherein the first parental code is information recorded in a memory of a recordable medium or an optical disc player (0017).

As to **claim 4**, Ostrover further discloses wherein the second parental code is generated as a default value based on the detection result (0014).

As to **claim 5**, Ostrover further discloses wherein the default value is responsive to one of a source of the video signal, a channel of the video signal (0025)

(0041).

As to **claim 6**, Ostrover further discloses wherein the second parental code is generated as a value set by a user based on the detection result (0041).

As to **claim 7**, Ostrover further discloses wherein the first and second parental codes are generated by a unit of a device producing further discloses the video program (Fig. 3, 0029).

As to **claim 8**, Ostrover further discloses wherein an optical disc includes a plurality of video programs (Individual scenes; 0013).

As to **claim 9**, Ostrover further discloses wherein an optical disc player includes a single parental code level (Final content code; 0015).

As to **claim 10**, Ostrover discloses wherein the information is time information indicating when the second parental code is generated (0014).

As to **claim 11**, Ostrover discloses time information indicating when the second parental code was generated (0016).

Ostrover does not expressly disclose comprising displaying a message including the information, wherein the information is at least one of a level of the second parental code, text indicating the generation of the second parental code.

Kim discloses comprising displaying a message including the information, wherein the information is at least one of a level of the second parental code, text indicating the generation of the second parental code (Fig. 3B). In addition same motivation is used as the rejection of claim 1.

As to **claim 12**, Ostrover wherein the displaying a message comprises one of displaying the message (Visual scene indicator) for a predetermined time before a corresponding video program playbacks and displaying the message until acknowledged by appropriate user action (0014).

Kim discloses comprising displaying a message including the information, wherein the information is at least one of a level of the second parental code (Fig. 3B)

As to **claim 13**, Ostrover further discloses comprising recording the second parental code and the information that indicates the generation of the second parental code (0014).

As to **claim 14**, Ostrover further discloses wherein the recording is performed on at least one of a memory provided in a device (0025).

Therefore, it would have been obvious to combine Ostrover and Kim to make the modification as described in claim 1 to 14.

As to **claim 15**, Ostrover further discloses wherein a first memory area stores a video signal (0025), wherein a second memory area stores the parental code for controlling a parental view, wherein the parental code is configured to be renewed by a command (0014), and wherein a third memory area stores status information indicating the renewal of the parental code (0019)(0026)(0031)(0032).

As to **claim 16**, Ostrover further discloses wherein the first, second and third memory areas are located in at least one of a recordable medium and an optical disc player (0025).

As to **claim 27**, Ostrover further discloses comprising: a controller (Fig. 1, 22); a memory (Fig. 1, 28); and an optical pickup for inputting and outputting data for a loaded recording medium (0025).

Ostrover does not expressly disclose an on-screen generator.

Kim disclose an on-screen generator (Fig. 1, 205)(Col. 5, lines 2-8).

At the time of invention, it would have been obvious to a person of ordinary skill in the art to combine Ostrover and Kim. Motivation would have been to have an on screen generator that provides password screen indicating password input requirement to allow only the allowed users to be able to change parental codes.

Therefore, it would have been obvious to combine Ostrover and Kim to make the modifications as described in claims 1 to 16 and 27.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ASHER KHAN whose telephone number is (571)270-5203. The examiner can normally be reached on Monday-Friday 9:30 am - 5 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lun Yi can be reached on (571)272-7671. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/A. K./

Examiner, Art Unit 4134

/LUN-YI LAO/

Supervisory Patent Examiner, Art Unit 4134